

**50JZ 024-060
HIGH-EFFICIENCY
SINGLE-PACKAGE
ELECTRIC HEAT PUMP UNITS
with optional ELECTRIC HEAT**

- PERFORMANCE DATA
- CERTIFIED DIMENSION PRINT
- CERTIFIED ROOF CURB
DIMENSION PRINT



Date:	Supersedes:	50JZ024-060 Single-Package Electric Heat Pump Units	50JZ	Rev.:
JOB DATA:		LOCATION:		
BUYER:	BUYER P.O. #		CARRIER #	
UNIT NUMBER:		MODEL NUMBER:		
PERFORMANCE DATA CERTIFIED BY:			DATE:	



50JZ units are high-efficiency, self-contained, electric heat pump units designed for easy installation and maintenance and dependable performance. All units have discharge openings for either horizontal or downflow configuration, and all have low sound levels. Units are intended for outdoor installation and may be located on a rooftop, or a ground-level concrete slab, or directly on the ground if local codes permit. This unit features Puron® refrigerant, which is environmentally sound.

FEATURES

- Puron® refrigerant, the environmentally friendly alternative.
- Energy Star Rated.
- Standard five year limited warranty.
- 10 year warranty on the compressor.
- Unit is certified and listed by UL and c-UL. Unit is rated in accordance with ARI Standard 210.
- Low sound ratings; as low as 72 dB.
- Units are pre-wired, pre-piped, and pre-charged for minimum installation expense.
- 12 SEER cooling efficiency.
- Compressor vibration isolation provides quieter operation.
- Easily converted for downflow operation with included horizontal duct covers.
- Cabinets are constructed of heavy-duty, phosphated, zinc coated pre-painted steel capable of withstanding 500 hours in salt spray.
- Easy-to-service cabinets with single-panel accessibility.
- Liquid refrigerant driers promote clean, unrestricted operation.
- Direct-drive multi-speed, permanent split capacitor (PSC) indoor motor is standard.
- Direct-drive, PSC outdoor fan motor.
- Coils constructed of aluminum fins bonded to copper tubes.
- Louvered grille provides hail and vandalism protection.
- Envirotuff rust-proof unit base pan.
- Sloped drain pan minimizes standing water in the unit.
- High and low/loss of charge pressure switches to ensure proper performance and longer compressor life.
- Refrigerant service connections make checking operating pressures easier.
- Copper & pre-coated fin coils are available from the factory by special order, for use in corrosive environments.
- Three-phase units available.

PERFORMANCE DATA

Unit Operating Weight _____ lb (unit); _____ lb (curb)

COOLING

Net Total Capacity _____ Btuh
 Net Sensible Capacity _____ Btuh
 Compressor Power Input _____ kW @ _____ °F
 Outdoor-Air Temperature _____ °F
 Indoor Entering-Air db _____ °F wb _____ °F
 Seasonal Energy Efficiency Ratio _____
 CFM _____ Ext. Static Pressure _____ in. wg
 Indoor Fan Motor _____ Hp _____ Rpm _____ Bhp

HEATING

Power Input To Unit _____ kW
 Integrated Capacity _____ Btuh
 Indoor Operating Temp _____ °F db
 Outdoor-Air Temp _____ °F (Winter Design)
 COP/HSPF _____ Hi _____ Lo
 Electric Capacity Required _____ Btuh
 Rating @ 70° R.H. _____ KW Heater Selected
 _____ Heat/Cool Ratio

ELECTRICAL DATA

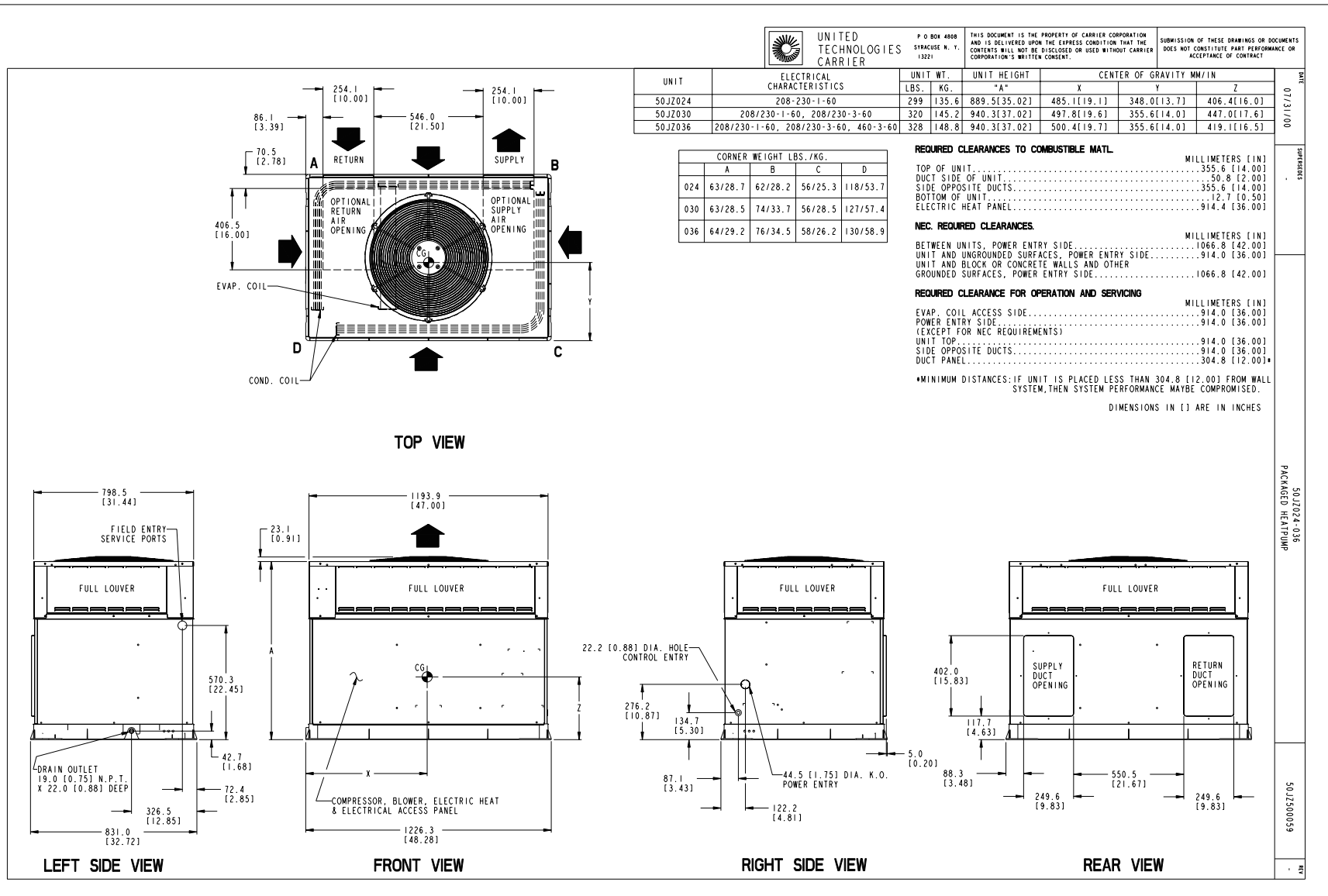
Unit Power Supply_____Volts_____Phase_____ Hz
Minimum Circuit Amps_____Maximum Overcurrent Protection_____

FIELD-INSTALLED ACCESSORIES

- | | |
|--|--|
| <input type="checkbox"/> Economizer | <input type="checkbox"/> Crankcase Heater |
| <input type="checkbox"/> Manual Air Damper | <input type="checkbox"/> Time Guard® II Device |
| <input type="checkbox"/> Filter Rack | <input type="checkbox"/> Compressor Hard Start Kit |
| <input type="checkbox"/> Flat Roof Curb: | <input type="checkbox"/> 0°F Low Ambient Kit |
| <input type="checkbox"/> 8 in. Height | <input type="checkbox"/> Square-to-Round Duct Transition Kit |
| <input type="checkbox"/> 14 in. Height | <input type="checkbox"/> Electric Heat Package-5-20KW |
| <input type="checkbox"/> Thermostat | <input type="checkbox"/> Outdoor Thermostat Kit |
| <input type="checkbox"/> Programmable | |
| <input type="checkbox"/> Non-Programmable | |

NOTES: _____

CERTIFIED DIMENSION PRINT



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CERTIFIED DIMENSION PRINT



UNITED
TECHNOLOGIES
CARRIER

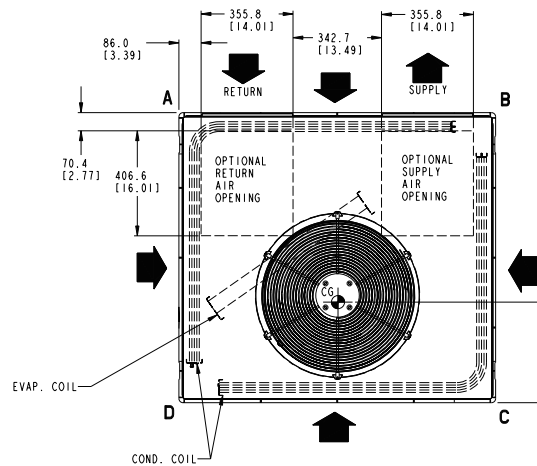
P.O. BOX 4808
SYRACUSE, N. Y.
13221

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UNIT	ELECTRICAL CHARACTERISTICS	UNIT WT.		UNIT HEIGHT "A"	CENTER OF GRAVITY MM/IN		
		LBS.	KG.		X	Y	Z
50JZ042	208-230-1-60, 208/230-3-60, 460-3-60	350	158.8	1040.9 [40.98]	505.5 [19.9]	398.8 [15.7]	421.6 [16.6]
50JZ048	208-230-1-60, 208/230-3-60, 460-3-60	355	161.0	1040.9 [40.98]	505.5 [19.9]	398.8 [15.7]	457.2 [18.0]
50JZ060	208-230-1-60, 208/230-3-60, 460-3-60	428	194.1	1091.7 [42.98]	505.5 [19.9]	398.8 [15.7]	447.0 [17.6]

CORNER WEIGHT LBS./KG.			
A	B	C	D
042	75/34.1	49/22.2	95/43.1
048	76/34.6	50/22.5	96/43.7
060	92/41.7	60/27.1	116/52.7



TOP VIEW

REQUIRED CLEARANCES TO COMBUSTIBLE MATL.

	MILLIMETERS (IN)
TOP OF UNIT.....	355.6 [14.00]
DUCT SIDE OF UNIT.....	50.8 [2.00]
SIDE OPPOSITE DUCTS.....	355.6 [14.00]
BOTTOM OF UNIT.....	12.7 [0.50]
ELECTRIC HEAT PANEL.....	914.4 [36.00]

NEC. REQUIRED CLEARANCES.

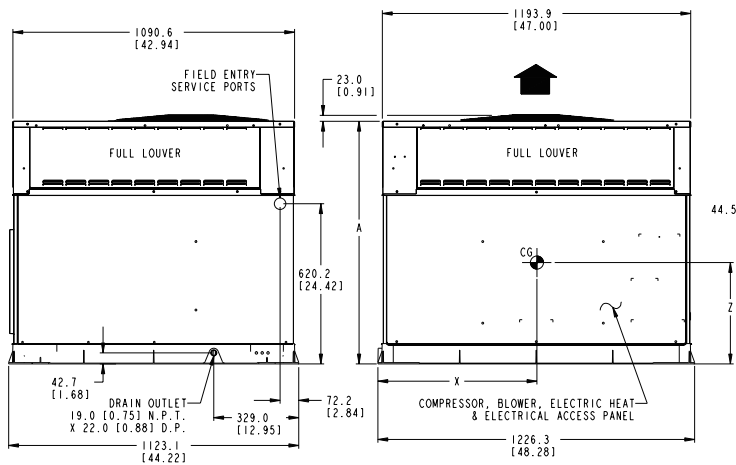
	MILLIMETERS (IN)
BETWEEN UNITS, POWER ENTRY SIDE.....	1066.8 [42.00]
UNIT AND UNGROUNDED SURFACES, POWER ENTRY SIDE.....	914.0 [36.00]
UNIT AND BLOCK OR CONCRETE WALLS AND OTHER GROUNDED SURFACES, POWER ENTRY SIDE.....	1066.8 [42.00]

REQUIRED CLEARANCE FOR OPERATION AND SERVICING

	MILLIMETERS (IN)
EVAP. COIL ACCESS SIDE.....	914.0 [36.00]
POWER ENTRY SIDE.....	914.0 [36.00]
(EXCEPT FOR NEC REQUIREMENTS)	
UNIT TOP.....	914.0 [36.00]
SIDE OPPOSITE DUCTS.....	914.0 [36.00]
DUCT PANEL.....	304.8 [12.00]

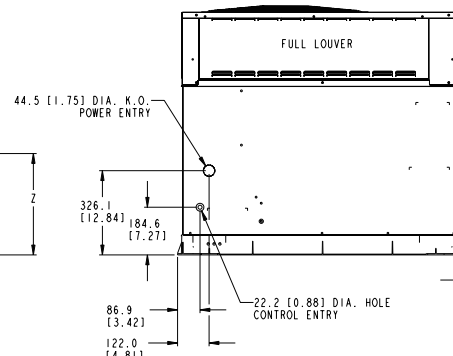
*MINIMUM DISTANCES: IF UNIT IS PLACED LESS THAN 304.8 [12.00] FROM WALL SYSTEM, THEN SYSTEM PERFORMANCE MAYBE COMPROMISED.

DIMENSIONS IN () ARE IN INCHES

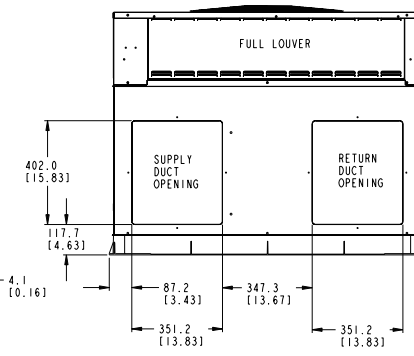


LEFT SIDE VIEW

FRONT VIEW



RIGHT SIDE VIEW



REAR VIEW

DATE
07/31/00

SHEET
1

50JZ042-060
PACKAGED HEATPUMP

50JZ500061

REV

CERTIFIED DIMENSION PRINT

SUBMITTAL

Roof Curb for Small Cabinet

SUBMITTED TO _____
 COMPANY: _____
 DRAWN BY: A.L.L.
 JOB NAME: _____
 EQUIPMENT: _____
 NOTES: _____

ODS Catalog Ordering No.
A

CPCRFCURB006A00

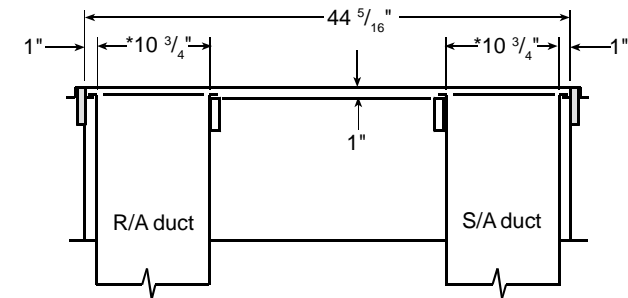
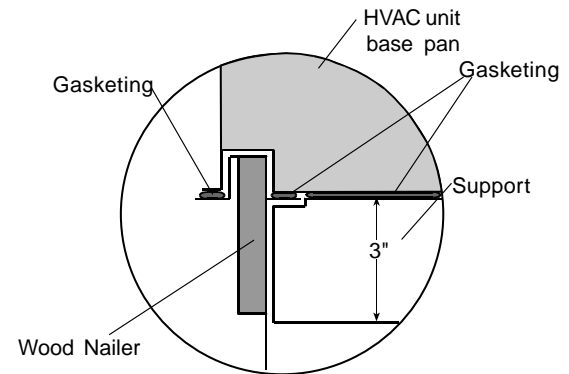
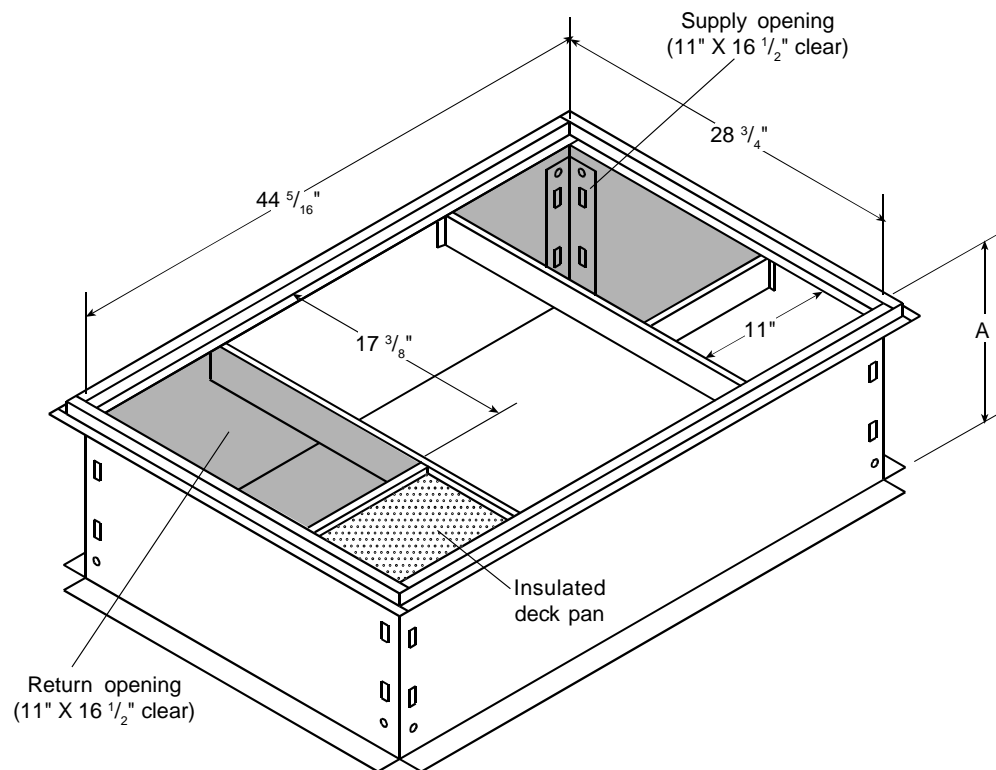
8"

CPCRFCURB007A00

14"

Feature:

- Constructed of heavy gage galvanized steel.
- Roofcurb ships knocked down in corrugated box.
- Quick-clip design for easy field assembly.
- Insulated deck pan.
- Gasketing package and hardware included.
- Wood nailer provided.



* Duct size

SIDE VIEW

C00077

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CERTIFIED DIMENSION PRINT

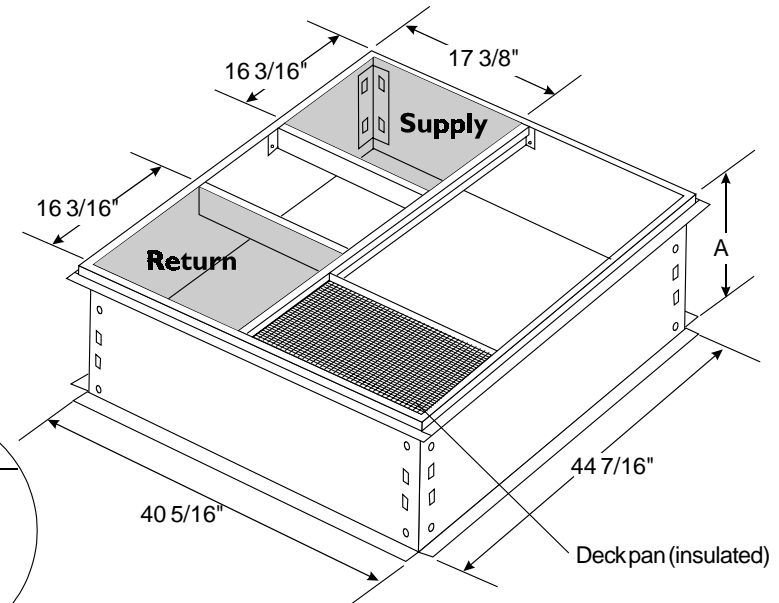
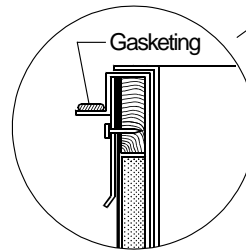
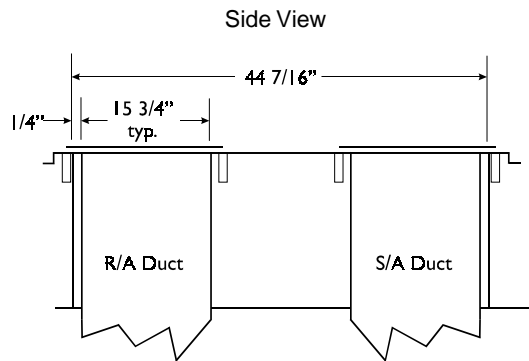
SUBMITTAL

Roof Curb for Large Cabinet

SUBMITTED TO: _____
COMPANY: _____
DRAWN BY: M. HARGIS
JOB NAME: _____
EQUIPMENT: _____
NOTES: _____

FEATURES:

- Constructed of heavy gage galvanized steel.
- Quick-clip design for easy field assembly.
- Ships knocked down w/corrugated box.
- Gasket package for complete outer perimeter flange and around duct openings.
- Wood nailer provided.



ODS Catalog Ordering No.	A
CPRFCURB008A00	8"
CPRFCURB009A00	14"

